

Name: _____

Date: _____

Period: _____

Lessons 1.1 and 1.2 Quiz

Write an algebraic expression for each phrase.

1) 7 less than 9 _____

2) the product of 8 and p _____

3) 4 more than twice c _____

Define variables and write an equation to model each situation.

4) The total cost is the number of sandwiches times \$3.50

5) The perimeter of a regular hexagon is 6 times the length of one side.

Simplify each expression.

7) $2[(1 + 5)^2 - (18 \div 3)]$

8) $3(6 + 2^2) - 5$

Evaluate each expression.

9) $xy^2 + z$ for $x = 3$, $y = 6$, $z = 4$

10) $\frac{3(x^3 - 5x) + 6}{(x^2 + x) \div 4}$ for $x = 3$

Choose **five** vocabulary words from the word bank below. Define each chosen word, complete with an example.

Variable	Algebraic Expression	Equation
Open Sentence	Simplify	Exponent
Power	Base	Evaluate

11) _____

12) _____

13) _____

14) _____

15) _____
